

## CLAIMS

1. A concentrated physical distribution management method to be used when consigned cargo is delivered to a destination, wherein said method is processed to be electronic information capable of being mutually communicated by means of communication network lines, said method comprising:

- a shipping instruction processing step of instructing delivery of the consigned cargo to the destination collectively including a physical distribution trader by accessing a specific site;
- 10 a physical distribution expense calculation processing step of calculating physical distribution expenses necessary for delivery of the cargo to the destination; and
- a cargo tracking processing step of indicating a delivery status of the cargo, whereby
- 15 the cargo can be managed concentratedly.

2. The method according to claim 1, wherein
- in said shipping instruction processing step, a shipping instruction is performed on a basis of a list of a plurality of physical distribution traders nominated previously, outgoing vessel schedule information of a shipping company, and information of physical distribution basic six pieces being physical distribution information necessary and enough for input cargo delivery.

- 25 3. The method according to claim 1, wherein
- in said physical distribution expense calculation processing step, physical distribution expenses to the destination are calculated by reference to physical distribution expenses at every transportation route in cargo details of shipping instruction information.

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4. The method according to claim 1, wherein

a current position of the cargo can be recognized in said cargo tracking processing step.

- 5 5. A concentrated physical distribution management apparatus to be used when consigned cargo is delivered to a destination, said apparatus comprising:

shipping instruction processing means for instructing delivery of the consigned cargo to the destination collectively including a physical distribution trader;

- 10 physical distribution expense calculation processing means for calculating physical distribution expenses necessary for delivery of the cargo to the destination; and

cargo tracking processing means for indicating a delivery status of the cargo, wherein:

- 15 said shipping instruction processing means, said physical distribution expense calculation processing means, and said cargo tracking processing means are configured so as to be accessed through communication network lines, and corresponding processing can be executed by access to a specific site.

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6. A concentrated physical distribution management system to be used when consigned cargo is delivered to a destination, wherein said system is configured to be a site capable of communicating mutually by means of communication network lines, said site being provided with a database server, said database server including inner processing sections comprising at least:

a shipping instruction processing section for instructing delivery of the consigned cargo to the destination collectively including a physical distribution trader;

- 30 a physical distribution expense calculation processing section for calculating physical distribution expenses necessary for delivery of the cargo to the destination; and

a cargo tracking processing section for indicating a delivery status of the cargo, whereby

all of shipping instructions concerning cargo to the physical distribution trader can be transmitted only by access to said site.

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7. The concentrated physical distribution management system according to claim 6, wherein

said shipping instruction processing section is provided with a database storing a list of a plurality of physical distribution traders nominated previously, outgoing vessel schedule information of a shipping company, and the like, whereby shipping instruction processing to said physical distribution trader can collectively be done on a basis of input physical distribution basic six information.

15 8. The concentrated physical distribution management system according to claim 6, wherein

said physical distribution expense calculation processing section is provided with a master file necessary for calculation of physical distribution expenses to the destination by reference to physical distribution expenses at every transportation route in cargo details of shipping instruction information, and a database for management of the master file.

25 9. The concentrated physical distribution management system according to claim 6, wherein

a current position of cargo can be recognized by search for information in said cargo tracking processing section.

30 10. A reception method of an order of cargo, said reception method comprising the steps of:

receiving shipping instruction information such as a kind, a quantity and a destination of the cargo in shipping instruction

consignment of the cargo input through communication network lines or input on a portal site side;

confirming stock information of the cargo among the received shipping instruction information;

5        calculating physical distribution expenses in a deduced transportation route of the cargo after said step of confirming the stock information of the cargo; and

delivering the calculated physical distribution expenses to a consignor side.

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11. An ordering method of cargo, said ordering method comprising the steps of:

taking out shipping instruction information stored in a shipping instruction database;

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taking out a transport schedule stored in a transport schedule database;

determining a cargo transportation route in conformity with said shipping instruction on a basis of said shipping instruction information and said transport schedule;

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selecting an preferable physical distribution trader among physical distribution traders covering said determined cargo transportation route in a physical distribution trader list resisted in a nomination database;

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delivering determined shipping instruction information to said selected physical distribution trader by means of communication network lines or the like.

12. A cargo insurance information making method comprising the steps of:

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calculating insurance to cargo on a basis of at least shipping instruction information to be utilized as detailed cargo information, an

insurance condition being a calculation standard of the insurance, and the like;

selecting an insurance trader among nominated insurance traders;

calculating an insurance premium by means of an insurance  
5 premium rate as a standard on a basis of the shipping instruction  
information, the insurance, a delivery section, and the like; and

making cargo insurance information being electronic data on a  
basis of respective information of the shipping instruction information,  
the insurance, and the insurance premium.

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13. The cargo insurance information making method according to  
claim 12, wherein

said insurance information is insurance offering information or  
insurance bill information.

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14. The cargo insurance information making method according to  
claim 12, wherein

said shipping instruction information includes at least physical  
distribution basic six information.

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15. The cargo insurance information making method according to  
claim 12, wherein

any of said shipping instruction information, insurance condition  
information, said insurance trader, said insurance premium rate, and the  
25 like are extracted from information stored in a database.

16. A cargo insurance information making apparatus comprising:

storing means for storing shipping instruction information to be  
used as detailed cargo information;

30 storing means for storing information such as insurance  
conditions as a calculation standard of insurance;

storing means for storing nominated insurance traders;

storing means for insurance premium rate information; and  
 calculation means for calculating the insurance and an insurance  
 premium on a basis of each of the information; whereby

insurance information being electronic data is made on a basis of  
 5 the calculated insurance, the calculated insurance premium rate and the  
 shipping instruction information used for calculation of the insurance  
 and the insurance premium rate.

17. The cargo insurance information making apparatus according to  
 10 claim 16, wherein

said insurance information is insurance offering information or  
 insurance bill information.

18. The cargo insurance information making apparatus according to  
 15 claim 16, wherein

said shipping instruction information includes at least physical  
 distribution basic six information.

19. A cargo insurance information making system in which a site to  
 20 transmit a cargo shipping instruction and a site on an insurance trader  
 side are mutually connected with a communication network line and  
 information circulates as electronic data, the site on the shipping  
 instruction side being equipped with cargo insurance information making  
 means, said cargo insurance information making means comprising:

25 storing means for storing shipping instruction information to be  
 utilized as detailed cargo information;

storing means for storing information such as an insurance  
 condition being a calculation standard of insurance;

storing means for storing nominated insurance traders;

30 storing means for storing information of an insurance premium  
 rate; and

calculating means for calculating the insurance and an insurance premium on a basis of each of the information;

said cargo insurance information making means making insurance information being electronic data on a basis of the calculated insurance,  
 5 the calculated insurance premium rate and the shipping instruction information,

the site on the insurance trader side being equipped with bill issuing means for issuing an insurance bill when the bill issuing means acknowledges the insurance information, the insurance information  
 10 being insurance offering information, said bill issuing means receiving the insurance information through the communication network line.

20. The cargo insurance information making system according to claim 19, wherein

15 said shipping insurance information includes at least physical distribution basic six information.

21. An automatic drafting method of a draft of a bill of lading, said method comprising the steps of:

20 performing pre-booking of a specific outgoing vessel schedule selected among previously obtained outgoing vessel schedule information at a time of receiving a consigning order of cargo delivery, and using information concerning a designated outgoing vessel schedule as draft information for the bill of lading;

25 issuing a booking instruction of the outgoing vessel schedule information for confirmation returned with an attached bill reservation number of the bill of lading;

making new draft information for the bill of lading by adding shipping instruction information to the outgoing vessel schedule  
 30 information for confirmation in response to a shipping requirement; and

transmitting the new draft information for the bill of lading as final draft information for the bill of lading, whereby

the draft information of the bill of lading is automatically made.

22. The automatic drafting method of a draft of a bill of lading according to claim 21, wherein

5        said final draft information for the bill of lading becomes an effective bill of lading by addition of a bill number and an issuance date of the bill.

23. The automatic drafting method of a draft of a bill of lading according to claim 21, wherein

10        said outgoing vessel schedule information includes at least physical distribution basic six information.

24. An automatic making apparatus of draft information for a bill of lading, said apparatus comprising:

15        storing means for storing outgoing vessel schedule information;  
       storing means for storing cargo shipping instruction information;  
       booking means for performing booking of a specific outgoing vessel schedule on a basis of the outgoing vessel schedule information  
 20        and the shipping instruction information, both being read out from the two storing means;

      making means for making draft information of a bill of lading to be issued to the cargo on a basis of the outgoing vessel schedule information and the booking information; and

25        delivery means for delivering the booking information and the draft information, whereby

      the draft information made by said making means is delivered to a shipping company side, and the shipping company side writes a bill number and an issuance date of the bill for making the bill of lading of  
 30        the cargo.



25. The automatic making apparatus of a draft of a bill of lading according to claim 24, wherein

said delivery means delivers the booking information and the draft information through a communication network line.

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26. An automatic issuing system of a bill of lading, in which a site to transmit a cargo shipping instruction and a site on a physical distribution trader side are mutually connected with a communication network line and information circulates as electronic data, the site on the shipping instruction side comprising:

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storing means for storing outgoing vessel schedule information;

storing means for storing shipping instruction information; and

draft information storing means for storing information related to an outgoing vessel schedule at a time of performing booking of a specific outgoing vessel schedule selected in a previously obtained outgoing vessel schedule table when a consigning order of cargo delivery is received;

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the site on the physical distribution trader side being comprising:

delivery means for delivering a latest outgoing vessel schedule

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information;

information of a bill of lading confirming means for confirming delivery of booking information on the physical distribution trader side to add a bill booking number; and

bill of lading issuing means for attaching a bill number and a bill issuance data to received draft information of a bill of lading to issue the bill of lading to the cargo, whereby

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the draft information for the bill of lading are added in sequence in electronic data exchanging processes between both of the sites to complete the bill of lading.

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27. The automatic issuing system of a bill of lading according to claim 26, wherein

said outgoing vessel schedule information includes at least physical distribution basic six information.

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